

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/CA 03/00459

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04Q7/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 486 089 A (PHILIPS ELECTRONICS UK LTD ;KONINKL PHILIPS ELECTRONICS NV (NL)) 20 May 1992 (1992-05-20) column 2, line 38 - column 3, line 47 column 7, line 5 - line 29; figure 5 column 9, line 29 - line 55	1-8, 12-18
Y	-----	9-11, 19, 20
X	US 2001/046861 A1 (BODIN JANNICK ET AL) 29 November 2001 (2001-11-29) paragraph '0065! - paragraph '0083!; figure 4	1-5, 13-15
Y	-----	9-11, 19, 20
	EP 0 714 217 A (NIPPON TELEGRAPH & TELEPHONE) 29 May 1996 (1996-05-29) page 6, column 1 - page 7, column 10 -----	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

14 January 2004

Date of mailing of the international search report

26/01/2004

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0486089 A	20-05-1992	GB 2249918 A	20-05-1992
		DE 69130051 D1	01-10-1998
		DE 69130051 T2	01-04-1999
		EP 0486089 A2	20-05-1992
		ES 2122965 T3	01-01-1999
		JP 3011803 B2	21-02-2000
		JP 4268834 A	24-09-1992
		KR 243450 B1	01-02-2000
		US 5258981 A	02-11-1993
US 2001046861 A1	29-11-2001	FR 2809562 A1	30-11-2001
		AU 4622701 A	29-11-2001
		CN 1326305 A	12-12-2001
		EP 1158829 A1	28-11-2001
		JP 2002027524 A	25-01-2002
EP 0714217 A	29-05-1996	JP 2910826 B2	23-06-1999
		JP 8149554 A	07-06-1996
		JP 3042755 B2	22-05-2000
		JP 8149550 A	07-06-1996
		JP 8289362 A	01-11-1996
		CN 1132991 A , B	09-10-1996
		EP 0714217 A2	29-05-1996
		US 5903838 A	11-05-1999
		US 5774807 A	30-06-1998
		US 6108541 A	22-08-2000